The annual Cyber Risk Report from HP Security Research provides organizations with a better understanding of the threat landscape and supplies resources that can aid in minimizing security risk. This year’s report features perspectives drawn from advanced data analysis and takes a focused look at multiple technologies, including open source, mobile, and the Internet of Things.

**Déjà Vu: Attackers Focusing on Older Vulnerabilities**

- **8227** days from launch of first Windows version affected by CVE-2014-4114 (“Sandworm”) vulnerability to release of the patch - April 16, 1992 to October 14, 2014
- **59** combined maximum age, in years, of the code in the high-profile Heartbleed, Shellshock, and POODLE zero-days
- **7** of the top 10 exploits found overall in 2014 targeted vulnerabilities over 2 years old

**Top Exploits Discovered in 2014**

- **33%** of all exploit samples discovered in 2014 used an infection vector first detected in use in 2010, in Stuxnet
- **72%** of all exploit samples discovered in 2014 used an infection vector first detected in use in 2010, in Stuxnet

**Notable Numbers, Rankings, and Statistics**

- **0** Major Oracle Java zero-days discovered in the wild in 2014
- **6** Pre-2014 Oracle Java vulnerabilities in the list of top ten 2014 exploit samples

**Top Mobile App Vulnerabilities**

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy Violation</td>
<td>74%</td>
</tr>
<tr>
<td>Insecure Storage</td>
<td>71%</td>
</tr>
<tr>
<td>Insecure Transport</td>
<td>66%</td>
</tr>
</tbody>
</table>

**On our minds:**

- **malware**
- **Our top keyword searched by security practitioners (even besting “Security”)**

**Recommendations**

- Understand the changing threat landscape
- Develop and follow a patch strategy
- Conduct penetration testing and configuration verification
- Employ complementary technologies
- Share threat intelligence with the community

**Learn More**

Visit [hp.com/go/cyberrisk](http://hp.com/go/cyberrisk) to download the full report and access all Cyber Risk Report resources.

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